4.	*	Approved	For Release 2	002/06/18:	CIA-RDP74E	B00447 P0 00	100010037	1 IMD	
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25X1A	MMEDIA	TE	The state of the s	(i.e. 106-12 program i Americ	e meruma entre en la companya de la	and the second	Mark of the		
25X1A	DEALIS		*						
25X1A	KWCARD	FOR						** ***********************************	
	SUBJ:	INVESTICA	TION OFFIC	ERS REP	ORT - ART	342			
	1.5	FOLLOWING	IS PROVIS	SIONAL C	ONCLUSION	OF THE	INVESTIG	ATION	
25X1A	OFFICER	₹		INTO AR	1 342 ACC	IDENT AN	D MAY BE	CEDNEMA	
	AFTER I	INTENSIVE	EXAMINATIO	ON OF TH	E LEFT WI	ING WHICH	SHOULD	BE	
	RECOVER	RED LATE	MARCH OR	EARLY 1	Ø MARCH.				
	2.	THE LEFT	WING FAIL	ED AT TH	E ROOT JI	UST OUTPO	ARD OF T	HE FIRST	
	WING R	IB. THE	JNDER WING	SKIN FA	ILED AT 1	THE FINGE	ER PLATES	LEAVITE	
	THE LO	WER WING	ATTACHMENT	FITTING	S AND BO	TS INTAC	T HIIV T	HE	
	FIJSELA	GE. THE	Paul WING	ATTACHM	ENTS WER	E ALL SHE	EARED OFF	. OUTBOAFD	
	OF THE	ATTACHME	NT BOLTS E	XCEPT TH	IE FIRST	TWO WHICE	H WERE FO	NUMB ATTH	
	THE LE	FT WING,	EHE BOLTS	HAVING F	AILED ON	THESE			
	1. D	THE DAMA	INDER OF T	HE AIRCH	RAFT THEN	PITCHED	NOSE UP	,	
	IMPOSI	NG EXCESS	IVE "G" ON	THE STI	RUCTURE.	THIS CA	USED THE	LEFT	
	ENGINE	BALL BAT	SUPPORT S	TRUCTURI	E TO FAIL	ALLOWIN	G THE ENG	SINE TO	

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BREAK THROUGH THE LOWER FUSELAGE BULKHEADS. THE RIGHT ENGINE BALL

BAT SLIPPED OUT OF ITS HEARINGS AND THE REAR ENGINE SUPPORTING
BOLT FAILED UNDER TENSION. THUS THE ENGINE CAME COMPLETELY FREE OF

- THE RIGHT WING THEN BROKE AWAY WITH A PORTION OF THE FUSELAGE WAS NOW FREE.
- THE NOSE SECTION FORWARD OF THE WING LEADING EDGE AND THE TAIL SECTION AFT OF THE TRAILING EDGE CAME APART AS COMPLETE SECTIONS EXCEPT FOR THE LEFT HORIZONTAL STAPILIZER WHICH WAS EITHER BROKEN OFF DUE TO EXCESSIVE AIR LOADING OR WAS STRUCK BY THE LEFT WING AS CAME OFF. THIS IS THE ONLY MAJOR PROTION NOT YET LOCATED.
- ACCIDENT ALTHOUGH WITHIN THE LIMITATIONS STATED IN THE HANDBOOK WAS IN ALL PROBABILITY THE CAUSE OF THE STRUCTURAL FAILURE OF THE LEFT WING. WHEN A ROLLING MOMENT IS SUPERIMPOSED ON THE WING WHILE IT IS SUPJECTED TO AN APPLIED "G" FORCE THEN THE WING SUFFERS A TWISTING MOMENT AS WELL AS A BENDING MOMENT. THIS HAS CAUSED FAILURES IN THE PAST SEVERAL TYPES OF AIRCRAFT AND THE "G" LOADING THAT MAY BE APPLIED IS SEVERELY REDUCED WHENEVER IT IS COMBINED WITH A ROLLING MANEAUVER.
- THE FUEL PLACEMENT WAS ADVERSELY LOCATED EVEN PEFORE THE TIME OF THE ACCIDENT. WHICH COULD ONLY HAVE CONTRIBUTED TO THE UNFAVORABLE WING LOADING. THIS FUEL PLACEMENT IN THE AUXILLARY TANKS WAS REQUIRED FOR THE TYPE OF OPERATION THE PILOT WAS ENGAGED AND WAS IN ACCORDANCE WITH THE HANDBOOK.

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- HARLOUS AIRCRAFT CONFIGURATIONS AND ALL UP WEIGHTS.
- THE PILOTS RIGHT FOOT WAS RIPPED IN SUCH A MANNER THAT LEADS US TO SUSPECT THIS DAMAGE TO HAVE PEEN CAUSED BY THE CAMOPY LACKING LEVER ON EJECTION.
- MANEAUVERS WHILE POSITIVE "G" IS PEING APPLIED TO THE AFFCRAFT,
 PARTICULARLY AT HIGHER SPEEDS AS DETERMINED BY LAC.
- B. THE FUEL PLACEMENT NOT TO BE SUCH THAT A CONDITION ... IS ARRIVED AT WHEREBY THE AUXILIARY TANKS ARE FULL AND THE MAIN TANKS EMPTY.
- G. THAT LAC CONDUCT THE SERIES OF INSPECTIONS THEY DEEM ADVISABLE.
- THE RIGHT HAND CANOPY LOCKING LEVER BE RELOCATED SO THAT WHEN THE CANOPY IS JETTISONED THE LEVER DOES NOT ROTATE TO THE DOWNWARD POSITION THUS CAUSING A HAZARD TO SAFE EJECTION.
- DISCONNECT SYSTEM SUCH THAT THE FILOTS CLOTHING IS NOT SUBJECTED TO BURN DAMAGE.
- 11. REQUEST HOTRS MAKE FURTHER DISTRIBUTION OF THIS REPORT AS DESIRED.

END OF MESSAGE